

FORM PTO 1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DKT. NO.: US-1520	APP. NO.: 10/613,990
	APPLICANT(S): Ishikawa et al.	
	FILING DATE: July 8, 2003	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>mv</i>	US2004/0152174	5 Aug. 2004	Cervin et al.	435	106	6 Oct. 2003

duplicate

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

EXAMINER <i>mv</i>	DATE CONSIDERED <i>1/31/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUB'N DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>MV</i>	US2004/0152174	Aug. 5, 2004	Cervin et al.	435	106	Oct. 6, 2003
<i>MV</i>	10/701,923	n/a	Takikawa et al.			Nov. 6, 2003
<i>MV</i>	6,040,160	Mar. 21, 2000	Kojima et al.			May 29, 1996
<i>MV</i>	09/307,450	n/a	Kojima et al.			May 10, 1999
<i>MV</i>	09/495,310	n/a	Kojima et al.			Feb. 1, 2000
<i>MV</i>	10/868,338	n/a	Kanno et al.			Jun. 18, 2001
<i>MV</i>	10/149,450	n/a	Nakanishi et al.			Jun. 27, 2002
<i>MV</i>	US2002/0155556	Oct. 24, 2002	Imaizumi et al.	435	115	Dec. 21, 2001
<i>MV</i>	10/862,424	n/a	Imaizumi et al.			Jun. 8, 2004
<i>MV</i>	US2004/0229305	Nov. 18, 2004	Usuda et al.	435	69.1	May 16, 2003

FOREIGN PATENT DOCUMENTS

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OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

EXAMINER <i>M. J. V.</i>	DATE CONSIDERED <i>1/31/05</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MV	WO 2004/033421	22 April 2004	PCT	C07D		<input type="checkbox"/> Yes <input type="checkbox"/> No
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OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

EXAMINER <i>M.T. 7/8</i>	DATE CONSIDERED <i>1/31/05</i>
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
MV	Search Report from EPO	Nov. 13, 2003	EPO			<input type="checkbox"/> Yes <input type="checkbox"/> No
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						<input type="checkbox"/> Yes <input type="checkbox"/> No
						<input type="checkbox"/> Yes <input type="checkbox"/> No

OTHER (Including Author, Title, Date, Pertinent Pages, Publisher, etc.)

MV	Cotter et al., "Contribution of the fnr and arcA gene products in coordinate regulation of cytochrome o and d oxidase (cyoABCDE and cydAB) genes in Escherichia coli" FEMS Micro. Lett., 91:31-36 (1992)
MV	Iuchi et al., "arcA (dye), a global regulatory gene in Escherichia coli mediating repression of enzymes in aerobic pathways" Proc. Natl. Acad. Sci. USA, 85:1888-1892 (1988)
MV	Nystrom et al., "Bacterial defense against aging: role of the Escherichia coli ArcA regulator in gene expression, readjusted energy flux and survival during stasis" EMBO J. 15: 3219-3228 (1996)
MV	Database WPI, Section Ch, Week 200114, Derwent Pub, London, Class B05, AN 2001-138133, XP002260035 & WP01/02544A (11 Jan 2001)
MV	Database WPI, Section Ch, Week 200114, Derwent Pub, London, Class B05, AN 2001-138135, XP002260036 & WO01/02546A (11 Jan 2001)

EXAMINER <i>M. J. V. A.</i>	DATE CONSIDERED <i>11/31/05</i>
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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
239798US0SERIAL NO.
10/613,990

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Yukiko ISHIKAWA, et al.FILING DATE
July 8, 2003

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AW	S. IUCHI, et al., Cell, Minireview, vol. 66, pages 5-7, "ADAPTATION OF ESCHERICHIA COLI TO RESPIRATORY CONDITIONS: REGULATION OF GENE EXPRESSION", July 12, 1991
<i>W</i>	AX	F. R. BLATTNER, et al., Science, vol. 277, pages 1453-1462, "THE COMPLETE GENOME SEQUENCE OF ESCHERICHIA COLI K-12", September 5, 1997
	AY	
	AZ	

☐ Additional References sheet(s) attachedExaminer *W. T. Vogel*Date Considered *1/31/05*

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